

# 四川乌头属一新种<sup>1</sup>

王文采

(中国科学院植物研究所 系统与进化植物学国家重点实验室, 北京 100093)

**摘要:** 该文描述了自四川西部发现的毛茛科乌头属一新种, 泸定乌头。此种隶属乌头属乌头亚属。

**关键词** 毛茛科, 乌头属, 新种, 四川

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## A new species of *Aconitum* (Ranunculaceae) from Sichuan

WANG Wen-tsai

(State Key Laboratory of Systematic and Evolutionary Botany, Institute of Botany, Chinese Academy of Sciences, Beijing 100093, China)

**Abstract:** A species of the genus *Aconitum* (Ranunculaceae), *A. ludingense*, belonging to Sugben. *Aconitum*, is described as new from western Sichuan Province.

**Key words:** Ranunculaceae, *Aconitum*, new species, Sichuan

泸定乌头 图 1

***Aconitum ludingense*** W. T. Wang, sp. nov. Fig. 1

Ob folia dissecta, flores interdum solitarios species nona haec est aliquantum similis *A. monantho* Nakai, a quo caulibus multo brevioribus 3 m longis, foliorum basaliū petiolis etiam multo brevioribus 0.9–2.2 cm longis, sepalo supero galeoto-naviculari haud rostrato, gynoecio ex carpellis quinque dense sericeis constanti valde differt. In *A. monantho*, caules 14–30 cm longi, foliorum basaliū petioli 5–20 cm longi, sepalum superum alte galeatum et rostratum, et gynoecium ex carpellis tribus glabris constans est.

Small biennial herbs 3–5 cm tall. Root tubers 2, small, ellipsoidal or conic, 7–9×3 mm. Stem very short, 3 mm long, 2 mm across, glabrous, near base 1–2-leaved, apex with a short raceme. Basal leaves ca. 4, glabrous; blades subcoriaceous, cordate-pentagonal, or reniform, 0.4–1.2×1–2.5 cm, 3-parted to 0.5–1 mm above base, central lobe smaller, broad-rhombic, 0.4–0.7 cm broad, 3-lobed, with lobules linear-ovate entire or 1–2-denticulate, lateral lobes larger, obliquely flabellate, 0.5–1.7 cm broad, unequally 2-parted, with secondary lobules 2–3-lobed or 2-parted; petioles 0.9–2.2 cm long. Cauline leaves similar to basal ones. Racemes terminal, 3–3.5 cm long, 1–3-flowered; bracts foliaceous, shortly petiolate; pedicels robust, 2–2.4 cm long, with dense spreading short hairs 0.1–0.2 mm long, below or above 2-bracteolate; bracteoles linear, 2–6×0.4–1 mm, glabrous. Flower: Sepals blue, membranous, upper sepal 13 mm long, apex

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**作者简介:** 王文采 (1926–), 男, 研究员, 中国科学院院士, 著名植物分类学家, 长期从事有花植物分类学研究。

galeate ca. 5 mm broad, else-where navicular, ca. 3 mm broad, adaxially glabrous, abaxially above with sparse hairs and ciliate; lateral sepals obliquely flabellate, ca.  $10 \times 11$  mm, apex slightly undulate, adaxially and abaxially on the middle with sparse short hairs; lower sepals broad-elliptic, ca.  $6 \times 4$  mm, adaxially glabrous, abaxially near apex puberulous, apex rounded. Stamens ca. 30, glabrous; filaments white, lanceolate-linear,  $3.5-5 \times 0.6$  mm; anthers black, ca.  $0.8 \times 1$  mm. Carpels 5; ovaries linear,  $3.5-4 \times 0.8$  mm, densely sericeous; styles  $0.8-1$  mm, glabrous. Follicles narrow-oblong, narrow-oblong,  $10 \times 3-4$  mm, with sparse hairs and transverse nerves.; persistent

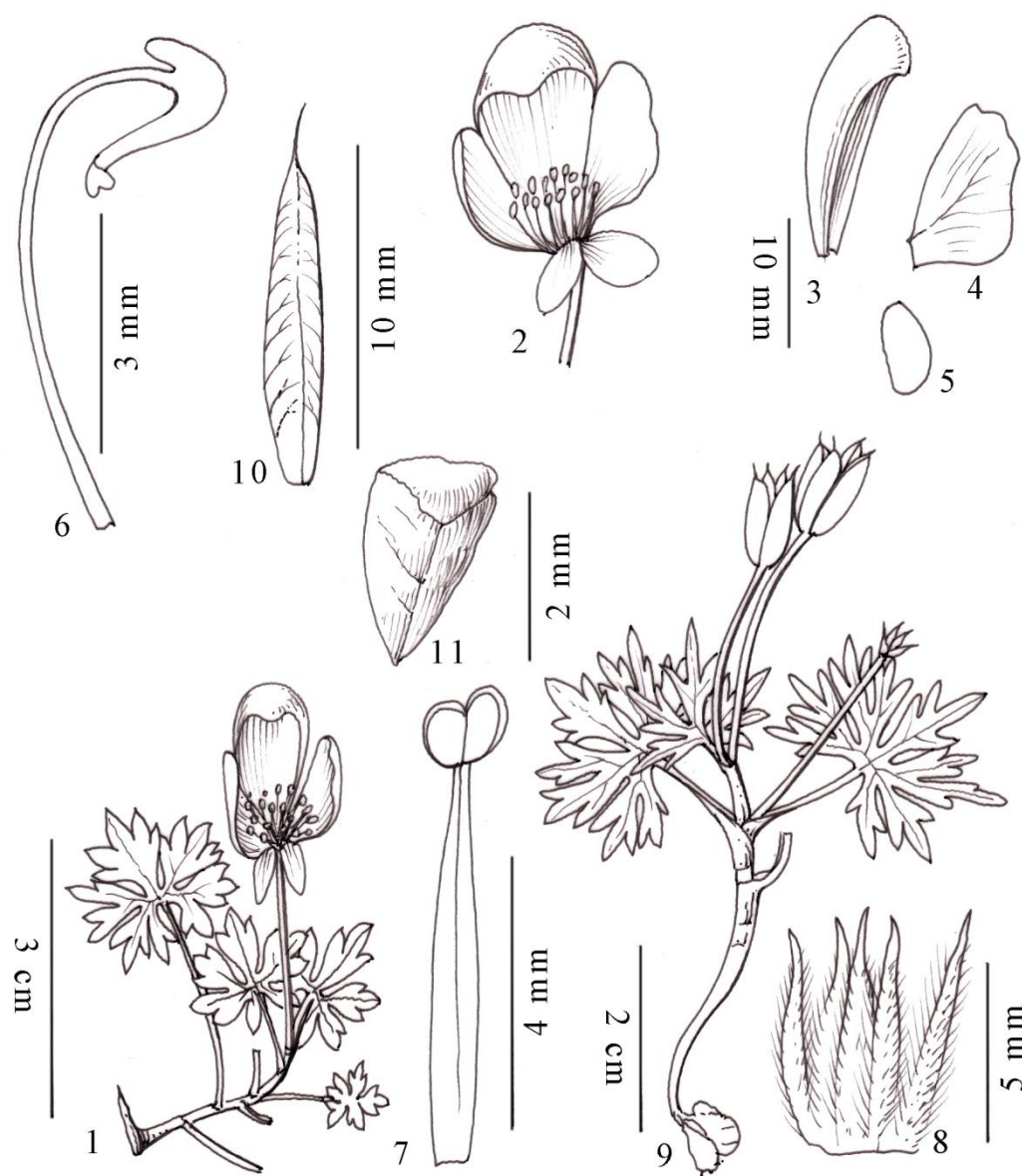


图1 泸定乌头 1. 开花植株，其总状花序具1花；2. 花；3. 上萼片；4. 侧萼片；5. 下萼片；6. 花瓣；7. 雄蕊；8. 雌蕊群；9. 蓇葖；10. 种子。（据 holotype, 孙英宝绘图）

Fig. 1 *Aconitum ludingense* 1. Flowering plant with a 1-flowered raceme; 2. Flower; 3. Upper sepal; 4. Lateral sepal; 5. Lower sepal; 6. Petal; 7. Stamen; 8. Gynoecium; 9. Follicle; 10. Seed. (From holotype, drawn by Y. B. Sun)

styles 2 mm long. Seeds whitish, compressed-tetrahedral, ca. 2 mm long.

四川(Sichuan): 泸定县, 雅家梗山口 (Luding County, Yajiageng Pass), alt. 3 950 m, 高山草甸 (on alpine meadow), 2018-09-06, 陈文俐, 蒋善文, 张中帅 (W. L. Chen, S. W. Jiang & Z. S. Zhang) 912 (holotype, PE).

此种的叶细裂, 花有时单生, 因此与也具上述特征的高山乌头(*A. monanthum* Nakai)有些相似, 与后者的区别在于此种的茎很短, 仅长 3 mm, 基生叶叶柄也很短, 长 0.9~2.2 cm, 上萼片盔状船形, 不具喙, 雌蕊群由 5 枚密被卷毛的心皮组成, 而大不相同。在高山乌头, 茎长 14~30 cm, 基生叶叶柄长 5~20 cm, 上萼片高盔形, 具喙, 雌蕊群由 3 枚无毛心皮组成。(王文采, 1979)

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